

TABLE 69

## Federal outlays for R&amp;D plant, by agency: FYs 2014–23

(Dollars in millions)

Agency	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (preliminary)
All agencies	2,244	2,405	2,228	3,223	3,844	3,287	4,786	3,805	4,185	5,706
Departments										
Department of Agriculture	19	18	20	15	38	49	75	111	109	133
Agricultural Research Service	10	9	5	6	23	39	66	100	100	117
Forest Service	7	8	13	9	16	10	9	12	9	16
Grain Inspection, Packers, and Stockyards Administration	2	2	2	*	na	na	na	na	na	na
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	NA	*	0	0
Department of Commerce	180	196	211	183	292	386	261	265	402	641
National Institute of Standards and Technology	51	64	61	64	75	133	94	121	185	149
National Oceanic and Atmospheric Administration	129	132	150	119	217	253	167	144	216	490
National Telecommunications and Information Administration	0	0	0	0	0	0	0	0	2	2
Department of Defense	137	150	168	920	395	353	507	211	251	264
Defense Health Agency	NA	NA	NA	NA	NA	NA	15	0	0	0
Department of the Air Force	111	119	122	161	179	205	193	163	164	224
Department of the Army	0	0	5	720	0	0	0	0	0	0
Department of the Navy	19	24	29	30	38	126	284	38	26	31
Other defense agencies	7	8	12	9	177	22	14	11	62	9
Department of Energy	669	992	998	1,168	2,065	1,508	1,790	2,330	2,608	3,140
Energy Efficiency and Renewable Energy	4	4	3	4	208	10	55	38	43	58
Fossil Energy	16	18	0	16	21	23	24	28	19	27
National Nuclear Security Administration	82	293	262	290	299	275	512	836	688	1,068
Defense Programs	60	138	102	89	189	275	256	498	418	452
Naval Nuclear Propulsion Program	22	155	160	200	109	0	247	331	270	616
Office of Defense Nuclear Nonproliferation	0	0	0	0	0	0	9	8	*	*
Nuclear Energy	0	0	0	0	0	0	0	0	304	474
Office of Science	568	677	733	859	1,538	1,200	1,200	1,428	1,554	1,512
Department of Health and Human Services	160	127	141	217	222	156	1,502	355	221	344
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	0	1,296	160	1	0
Centers for Medicare and Medicaid Services	0	0	0	0	0	*	0	0	0	0
Food and Drug Administration	23	23	31	29	29	26	28	35	34	38
Health Resources and Services Administration	1	1	1	0	0	0	0	1	0	0
National Institutes of Health	136	104	110	188	193	130	178	158	187	307
Department of Homeland Security	408	228	193	186	215	206	70	13	12	99
Coast Guard	1	1	1	1	1	1	0	0	0	0
Science and Technology Directorate	406	227	192	184	214	205	70	12	12	99
Transportation Security Administration	NA	NA	NA	NA	0	0	0	1	0	0
Department of the Interior	6	7	8	3	4	4	5	2	13	7
Bureau of Reclamation	2	3	1	1	1	1	2	2	2	2
Bureau of Safety and Environmental Enforcement	3	4	7	2	2	3	3	0	11	5
Department of Transportation	20	22	29	35	31	38	52	29	33	37
Federal Aviation Administration	18	19	27	32	30	36	50	27	28	32
Federal Railroad Administration	2	3	2	3	1	2	2	1	5	5
National Highway Traffic Safety Administration	0	0	0	0	0	0	0	1	1	1
Department of the Treasury	0	0	0	0	0	4	2	0	0	18
Bureau of Engraving and Printing	0	0	0	0	0	2	2	0	0	18
Mint	0	0	0	0	0	2	*	0	0	0
Other agencies										
Environmental Protection Agency	7	5	5	5	5	5	4	6	6	2

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(Dollars in millions)

Agency	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (preliminary)
National Aeronautics and Space Administration	134	210	76	88	87	78	27	43	62	241
National Science Foundation	468	415	348	371	457	468	423	371	397	705
Nuclear Regulatory Commission	0	0	0	0	0	0	1	0	0	0
Smithsonian Institution	36	33	29	33	33	33	66	69	70	74

\* = amount greater than \$0 but less than \$500,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data were not collected at that level for that fiscal year.

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had outlays in variables represented by this table appear in the table. FYs 2020, 2021, and 2022 outlays include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.